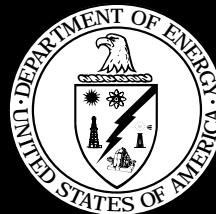


The Standards

Forum

News on the DOE Technical Standards Program



Volume 6 - Number 2 - September 1998

The Federal Technical Standards Workshop: A Newcomer's Perspective

By Ellen Trager, National Institute of Standards and Technology

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Director, 13340 SW 96th Avenue, Miami, Florida 33176, 305-971-4798, FAX 305-971-4799.

NOTE: I had prepared an article on the workshop for inclusion in this edition of "The Standards Forum." However, upon receiving the



Dick Black Welcomes the Workshop Participants

latest "Standards Engineering" newsletter from the Standards Engineering Society and reading the exceptional summary of the workshop proceedings prepared by Ellen Trager, I requested that Ellen's article be reprinted here for the customers and stakeholders of the DOE Technical Standards Program. We have supplemented the article with selected quotes from the workshop presentations, information on the DOE-specific workshop track, and a few pictures. Thank you, Ellen, for a well written and very complementary article. Thanks also to Jean-Paul Emard, Standards Engineering editor, for permitting us to use the article.

— Don Williams

On August 4-6, 1998, the first-ever Federal Technical Standards Workshop was held at the Loews L'Enfant Plaza Hotel in Washington, D.C. The theme of the overall workshop was "Standards Management - A World of Change and Opportunities." Sponsored by the Department of Energy (host), National Institute of Standards and Technology, Environmental Protection Agency, National Aeronautics and Space Administration, Food and Drug Administration, and Partnership in Reliability, Maintainability, and



**Peter Brush
Keynote Speaker**

Supportability Standards, the goal of the first two days of the gathering was to further the implementation of the National Technology Transfer and Advancement Act of 1995 (Public Law 104-113, NTTAA)

"Federal and Congressional requirements and policy, including the National Technology Transfer and Advancement Act and mandates such as "Reinventing Government," have challenged us to change how we manage, becoming more effective and efficient. By sharing our experience and knowledge, we can find those processes and standards that enhance communications, help make government more responsive, and help U.S. industry become more competitive in world markets." — Peter Brush

through the sharing of standards management success stories, lessons learned, and emerging initiatives within the Executive Branch of the Federal Government. The last day was devoted to agency-specific tracks having presentations on more detailed subjects of interest to each sponsoring organization. The target audience for this workshop included Federal agency representatives and standards developing organizations that either use technical standards in their work for the Federal Government or participate in standards writing activities in support of the missions and programs of Federal agencies. While DOE has sponsored such events in the past for its own employees, the summary that follows for the first two days of this Federal-wide workshop is presented from the perspective of a first time attendee and newcomer to the world of standards development and application.

Day 1 Summary - Tuesday, August 4th

The plenary session began with a keynote address by Peter Brush, Acting Secretary for Environment, Safety, and Health,

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a note from the Manager . . .

DOE Technical Standards Program



The 1998 Federal Technical Standards Workshop, held at the L'Enfant Plaza Hotel in Washington, D.C. on August 4 - 6, 1998, was a great success. My thanks for a job well done go to Don Williams and his staff!

Over 200 people from many different agencies, private industry, academia, and standards development organizations attended,

and we received many compliments on the quality of the program. There were important messages delivered about the effective use of voluntary consensus standards and cooperation in standards development arenas. Many hard-won "lessons learned" were conveyed to eager listeners.

In this note, I am not going to rehash the key issues, but rather dwell on the audience for them. Of the 200 attendees, about 40 were DOE "Feds", and there were several DOE contractor representatives. In several trips to the podium, I looked around as I spoke, seeking familiar faces. Among the DOE folks, I saw many Technical Standards Managers, DOE Topical Committee participants, standards writers, even Defense Nuclear Facilities Safety Board (DNFSB) staff - all definitely familiar faces. However, I did not see any DOE managers, particularly SES'ers (other than my own bosses!) who have responsibility for standards development in their organizations and for DOE.

I know and understand that our SES-level managers have other priorities, and that many were represented by their staff. However, this Workshop was an interagency venue, speaking to issues that affect how we will have to do business in DOE, exploring how the outside world directly affects our agency, and addressing how others have dealt with these issues. Speakers from many arenas - the Congressional Institute (CI), Polaroid, DoD, AMP, Ameritech, NIST, and others - provided insights on business needs, public policy, innovation, successful implementation methods, and problems they have faced. Their words did not fall on deaf ears, but primarily on the ears of the "saved" - those who already have knowledge of the issues. If our DOE SES'ers could have heard Carl DeMaio's (CI) dynamic presentation on new concepts of governance, Henry Line's (AMP) words on the global marketplace, Michael Gorman's (Ameritech) discussion of the strategic use of standards, or representatives of the various agencies discuss OMB A-119

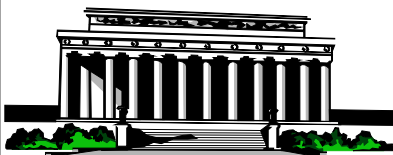
implementation, it would give them a better handle on implementing their responsibilities and helping DOE achieve our goals and accomplish our missions. They needed to hear these messages and benefit from the vast effort and experience represented.

One of the steps in changing our DOE world is to find out what is going on out there and what has been done that we can use. Where were our managers? How will they get the messages and lessons learned? Have the key issues of the workshop been conveyed to them? What more can our DOE Technical Standards Managers and I do to keep them informed of these activities? What can they do to get firsthand knowledge?

When I was a manager with General Electric many years ago, each manager was evaluated for certain common and generic performance elements, including (to name a few) communicating, planning and organizing, technical skills, quality assurance, using standards and procedures, and developing subordinates to name a few. We were trained in what was expected of us. The responsibilities were reflected in our position descriptions and performance elements. We were appraised (held accountable) for our performance in these areas. Our promotability depended on our ability to manage these elements well. Our DOE SES'ers and senior managers likewise need to be knowledgeable, trained, responsible and accountable for their assigned standards management activities (e.g., Directives System, Technical Standards Program, Department Standards Program). As a program manager, thankfully with the strong support of my senior managers and our Technical Standards Managers, I can bring the venue to DOE managers, but I can not set their priorities. This Workshop provided a "golden opportunity" for DOE managers to get a leg up in standards management with a minimum investment of time and effort - a walk up the hill to L'Enfant Plaza and attendance at two to four key 1.5 hour sessions. We can better succeed in implementing Integrated Safety Management if we help our SES'ers become more capable, responsible, and accountable for common management elements such as standards management.

For those of you who like strategic planning and would like to help forge the standards future for the Department and the Nation, attend the NIST/ANSI summit, "Toward a National Standards Strategy to Meet Global Needs" on September 23, 1998, at the Ronald Regan Building in Washington, D.C. See: http://www.nist.gov/public_affairs/confpage/980923.htm.

— Rick Serbu



TSMC Meets in Washington, D.C.

The DOE Technical Standards Managers' Committee (TSMC) met on August 3-4, 1998, in Washington, D.C. Approximately 35 Technical Standards Managers (TSMs), designated alternates, and other representatives were present. The meeting concentrated on a series of working sessions that addressed subjects including the role of the Technical Standards Program in performance-based man-

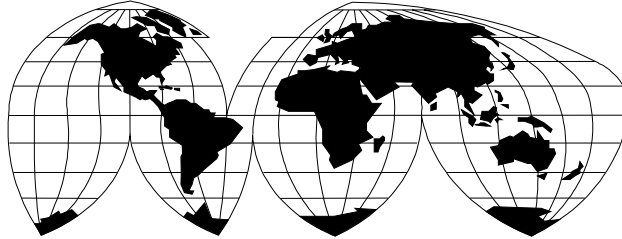
agement, how to "do more with less," the developing scopes of the DOE Topical Committees, the Technical Standards Program (TSP) strategic plan, and the roles the TSP should play in supporting DOE in the Integrated Standards Management process. These discussions led to a number of action items designed to enhance the usefulness of the Technical Standards Lists, clarify how other Federal agencies interpret A-119, and other activities to increase the effectiveness of the TSP. The 3-hour tutorial offered by Jeff Feit was again well attended. This tutorial is valuable in that it provides TSP participants the opportunity to gain a better understanding of how the program works, and how they can contribute to its success.

A Y2K Warning With An Offer To Help

In an article entitled "Responding to the Year 2000 Challenge: Building Partnerships Towards a Solution Not Litigation," Marc A. Pearl, of the Information Technology Association of America (ITAA), describes a partnership designed to offer information to help organizations analyze, remediate, and plan for survival when January 3, 2000 arrives. The article appears in the July 1998 issue of *Open Systems Standards Tracking Report* (Volume 7, Number 7). ITAA provides, free of charge, a "Service Provider" directory and a Year 2000 product questionnaire. Both are available on the ITAA Year 2000 Internet web site at <http://www.itaa.org>.

Copies of the two draft documents or publishing information may be obtained from Janet Jacobsen, 888-722-2440, jjacobsen@rabnet.com.

The World of Standards



NEWS BRIEFS

Specification and Standards Reform in the Military

Doyle E. Bell of The Boeing Company, Seattle, Washington, wrote an interesting article in the July 1998 issue of *Advanced Materials & Processes* entitled "Military Specification/Standards Reform." The article describes the actions taken by the military to foster the use of non-Government standards in place of Mil-Specs. The use of "best commercial practices" and the problems arising from the adop-

tion of Mil-Specs as de facto national standards are discussed. The specific example of the "invisible" cancellation of Mil-Spec QQ-A-200 is presented, including the impact of ISO 9000 and the issue that different industries can be differently affected by the identical specification. The article ends with a warning on the dangers of interpreting a specification cancellation as a supersession notice.

In the August 1998 issue of this same newsletter, there is an article by Kevin Lewis of the Industry Standards and Consortia group of Compaq Computer Corporation. This article is entitled "IEEE Approves The First U.S. Standard for Year 2000 Terminology." The standard is the first to address compliance in the Y2K issue. The 21-page standard, which contains three concepts, four definitions, and ten supporting terms, is available on the Internet at <http://grouper.ieee.org/groups/2000>.

The Nuclear Regulatory Commission Also Concerned About Y2K

A news brief in the June 1998 issue of *Nuclear News* reported that on May 12, 1998, the NRC issued a requirement for nuclear utilities to confirm within 90 days that their programs are addressing the Year 2000 problem. Furthermore, utilities were required to notify NRC by July 1, 1999, whether or not their plants are ready for Year 2000. The article stated that no known Y2K problems exist with safety-related systems, but that the NRC is concerned with possible nonsafety computer-based systems such as security computers, engineering programs, and inventory control.

Certification of ISO 9000 Internal Auditors and Training

On May 13, 1998, the ANSI Registrar Accreditation Board (RAB) announced the Internal Auditor Criteria. This is a draft document for certifying quality management systems ISO 9000 internal auditors and for accrediting internal auditor training course providers.

The draft auditor criteria outline the requirements that an individual would need to satisfy to earn RAB Quality Management System's (QMS) internal auditor certification. An applicant's auditing experience may be on internal audits and a single grade of certification, QMS Internal Auditor, is available. Additional options are available for applicants to satisfy the training course requirement.



Answers to Frequently Asked Questions

Question: Why is a WordPerfect or Word file needed when a document is sent to the TSPO? As the responsible Preparing Activity (PA), why can't I send a PDF file only?

Answer: A WordPerfect or Word file is needed because PDF files do not allow users to make changes. Occasionally, the PDF files we receive do not match the hard copies that the PA sends. One reason these copies might be mismatched is because the hard copy was printed from the WordPerfect or Word file before the PDF was created. When PDF files are created, changes can occur to the font, font size, and document margins, and sometimes the font.

Address Changes - Please notify us of any change in your mail address in order to assure that you will continue to receive *The Standards Forum*. Even minor changes, e.g. in your Mail Stop, can cause it to be returned by local mail services, and will result in deletion from our address database!

Topical Committee Developments

In conjunction with the 1998 Federal Technical Standards Workshop, the Technical Standards Program (TSP) held a session on the past year's experience and lessons learned with Standards Developing Organizations and DOE Topical Committees on the morning of August 4, 1998. Attendees included representatives of eight of 17 DOE topical committees, four standards development organizations, and several TSP Technical Standards Managers. A program status was presented listing the six new topical committees chartered since the 1997 DOE Technical Standards Program Workshop: the DOE Contractors Supplier Quality Information Group (SQIG), the Accreditation Committee, the ISO 14001 Environmental Management Systems (EMS) Committee, the Construction Safety Committee, the Hoisting and Rigging Technical Advisory Committee, and the Biota Dose Assessment Committee (BDAC).

Topical committee representatives reported on last year's standards activities and lessons learned.

- Dennis Kubicki reported his Fire Safety Committee work to prepare a fire safety "White Paper" to prepare the state of the DOE fire protection program, promulgation of fire protection program performance indicators, and work with NFPA on its Standard 801 (Radioactive Materials, Facilities Handling) and NFPA 13 (Installation of Sprinkler Systems).
- Ken Hanks, Sandia National Laboratories, presenting for Bob Wayland, discussed activities of the Metrology and Accreditation Committees. Both Committees maintain an active partnership with the National Institute of Standards and Technology (NIST). Ken noted interagency interest from the Department of Defense on the Metrology Committee. The Metrology Committee is contributing to a U.S. position on ISO 17025, the draft standard based upon ISO/IEC Guide 25, which deals with test and measurements quality requirements. Ken explained that the attraction of both committees goes beyond DOE (e.g., international trade issues), particularly for the newly formed Accreditation Committee, which will hold its first annual meeting at NIST in September 1998.
- Steve Woodbury, DOE/EH, discussed the process of formation of the 14001 EMS Topical Committee currently underway.
- Lynn Holt, Lockheed Martin Idaho Technologies Company, outlined the activities of the Construction Safety and Hoisting and Rigging Technical Advisory Committees for Pat Finn, the topical committee point of contact. Of import was the review work on the ASME consensus standards on Nuclear Overhead and Gantry Cranes (NOG-1-1989) and Nuclear Underhung and Monorail Cranes (NUM).
- Chuck Moseley, pinch hitting for Gustave Danielson, DOE/EH, described the extraordinary scope and diversity of the activities of the QM SIG Topical Committee (Quality Management).
- Stephen Domoter, DOE/EH, outlined the newest topical committee, the Biota Dose Assessment Committee, and its intent



to use its own Internet home page to develop and write (totally electronically) a guide on methodology for aquatic biota dose assessment for use over the DOE complex.

Ken Pearson, American Society for Testing and Materials (ASTM), highlighted ASTM's continuing active collaboration with DOE subject matter experts in the formulation of nuclear non-Government consensus standards. Chuck Moseley, wearing the second of his two hats, reviewed the American Nuclear Society's process for standards development and ongoing activities associated with DOE. Richard Bielen outlined NFPA as a private, nonprofit, voluntary codes and standards developer. He discussed the NFPA codes and standards development process and briefly identified four nuclear standards of particular interest to DOE.

It was suggested that topical committees should become more formally involved in areas such as standards maintenance (the subject of Technical Standards Program Procedure TSPP-9). This could include the 5-year sunset review of DOE technical standards and decisions on initiation (screening), cancellation or retention of DOE standards whose effectiveness in meeting DOE's needs is in question.



Still Time to Register for First Annual Meeting of the DOE Laboratory Accreditation Committee

Submitted by: Don Ragland, Sandia National Laboratories

Anyone interested in DOE accreditation issues is encouraged to attend the First Annual Meeting of the DOE Topical Committee on Accreditation (the Committee), to be conducted at NIST in Gaithersburg, Maryland, on September 23-24, 1998.

The Gaithersburg meeting, hosted by NIST and sponsored by DOE, will focus on working groups to address DOE accreditation issues and the ratification of an official Committee Charter and By Laws. Specific accreditation agenda items to be acted upon include Communications, Accreditation-Related Activities within DOE, and Interfacing with External Accreditation Activities (e.g. NACLA, NELAP, etc.).

Featured speakers will be: Richard Black (DOE/Director, Office of Nuclear Safety Policy and Standards, EH-31); Lea Ekman (Idaho National Engineering and Environmental Laboratory) who will report on the "National Analytical Management Program for DOE Accreditation" (NAMP); Richard Pettit (Sandia National Laboratories - Albuquerque) with a "Status Report on NACLA" (National Cooperation on Laboratory Accreditation); and Jim Cigler (NIST) who will provide an update on "Accreditation Issues in the U.S."

The Committee was initially formed in August 1997 during a workshop at Sandia National Laboratories in Albuquerque, New Mexico, at which an Interim Steering Committee was selected to plan this First Annual Meeting and to guide the Committee through the stages of official status within DOE.

(Continued on Page 5)

Topical Committees (Continued from Page 4)

Registration for the meeting is available by contacting Don Ragland (Sandia National Laboratories) at 505-845-9623 or dragla@sandia.gov. Or, go to the TSP Home Page (<http://apollo.osti.gov/html/techstds/techstds.html>) and click on "News/Contacts | Announcements" for details about the meeting and to copy the Registration Form directly off the Internet. For further information about the Accreditation Committee, contact: Sal Scarpitta (Brookhaven National Laboratory) at 516-344-3630 or Bob Wayland (Sandia National Laboratories - Albuquerque) at 505-845-9771.



DOE Metrology Committee Reviews Proposed ISO 17025

Submitted by: Don Ragland, Sandia National Laboratories

As one of the standards reviewing bodies for DOE, the DOE Topical Committee on Metrology (the Committee) recently reviewed a draft of proposed ISO 17025 ("General Requirements for the Competence of Testing and Calibration Laboratories") by polling its members for their comments. On July 20-21, 1998, the Metrology Steering Committee (SC) met in Albuquerque, New Mexico, to review those responses and to draft the Committee's official response to the proposed new standard.

The SC categorized its members' comments into three areas: Essential Comments, Clarification Comments, and General Comments. Essential Comments contained issues that the SC believes must be addressed by ISO in order to gain consensus of 17025 by the Committee. Clarification Comments covered areas that the SC would like to see included in order to improve the standard, but were not necessary for consensus. General Comments were restricted to issues of content format, style, etc. The final draft of the official response has been approved by the SC and forwarded to Jim Cigler, Chief of the NIST National Voluntary Accreditation Program.

The official response in its entirety will be available for general viewing on the DOE Metrology web site (<http://www.doe.gov/metrology/mchome.html>) in September 1998. Persons interested in further information can contact Bob Wayland, Committee Secretariat, at 505-845-9771 or jrwayla@sandia.gov.

New Topical Committee

The Meteorological Topical Committee is the eighteenth DOE topical committee to be formed. A signed charter has been formalized, and a web page is in the construction stage. The point of contact is Carl A. Mazzola of Stone & Webster, Evans, Georgia. He may be reached at 706-650-0939, FAX 706-650-0887, or carl.mazzola@stoneweb.com.

Change, Reaffirm, or Revise? That is the Question!

In the past few months, there have been several attempts to use the Change Notice system to record changes to a DOE technical standard. Many of the requests were brought about due to the 5-year review cycle coming due on many of the documents. In accordance with TSPP-9, "Maintenance of DOE Technical Standards," an active DOE technical standard can be updated through the Reaffirmation, Change Notice, or Revision process. Several recent requests for the processing of a Change Notice have brought about some lessons learned at the Technical Standards Program Office (TSPO). They are:

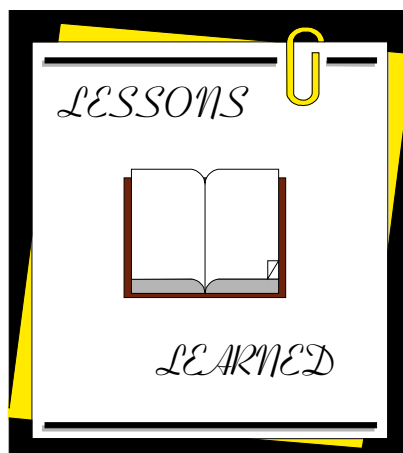
1. Since Change Notices do not require project registration nor coordination with the Technical Standards Managers (TSMs), the tendency has been to stretch the definition of when a Change Notice is required in order to avoid the process required for a Revision to the document. Careful reading of TSPP-9 says that if a technical change is needed, OR if some of the references need to be changed, OR if greater than 25% of the non-technical information in the body of the document needs to be changed (appendices are excluded), then a Revision to the document is necessary.
2. Since many of the DOE Orders are being replaced with newer versions, a question has been posed about what is

meant when TSPP-9 refers to a change in a reference requiring a Revision to the document and not allowing the use of a Change Notice. If the only changes to a document are a few minor editorial changes and an old DOE Order is being replaced one-for-one with a new DOE Order (same subject, less text, and a new number), then the TSPO can allow the use of a Change Notice to update the document. However, it appears that this clarification

to TSPP-9 is being misapplied in that some Preparing Activities are requesting the processing of a Change Notice to delete old references and add new references that are not one-for-one replacements. This action can be confusing to the user of the technical standard. In the future, the TSPO will continue to allow exchange of new DOE Orders for old DOE Orders (as has been the practice in the past) only when the subject of the DOE Order is the same. Addition of new DOE Orders, deletion of references, or addition of new references of any type will require the use of a Revision to the document in accordance with paragraph 4.1 of TSPP-9.

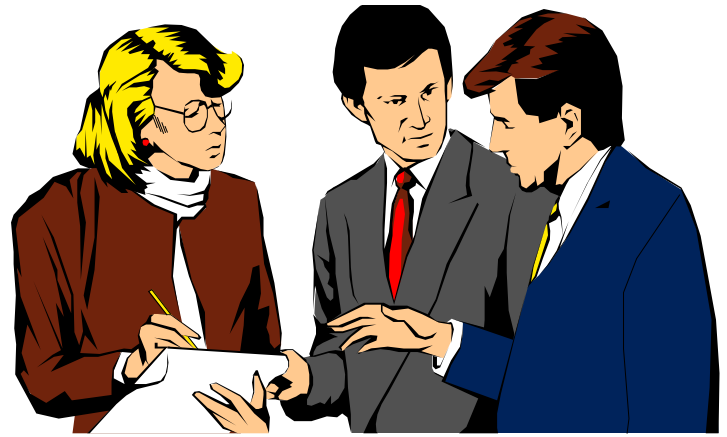
3. The rule that should be applied to determine whether a Revision or Change Notice is needed to update a document should be one of common sense related to how the user of the technical standard will be affected by the proposed update. A Change Notice requires that the holder of a paper copy of the document physically make the allocated changes to the document by doing "pen-and-ink" changes to the text or by adding

(Continued on Page 14)



1998 TSP Newsletter Survey

A readers' survey form for *Standards Actions* and *The Standards Forum* was distributed with each copy of the June 1998 issue of the *Standards Actions*. Forty-one readers returned a completed form. Ten of these were from members of the DOE Technical Standards Managers' Committee. We were pleased that the responses were in general overwhelmingly positive. The following summary of the responses is keyed to the questions listed on the form.



1. All of the responses indicated that the current publication schedule for both newsletters met their needs.
 2. This question was designed to determine the timeliness of the newsletters. The responses were:
 - Current = 80%
 - Somewhat Current = 20%
 3. Quality of the information/articles:
 - High = 63%
 - Medium = 32%
 - Low = 5%
 4. Usefulness of the newsletters:
 - Very Useful = 32%
 - Somewhat Useful = 63%
 - Rarely Useful = 2.5%
 - No Response = 2.5%
 5. This question was "How do you use the newsletters in your job?" The various responses were grouped into categories as follows:
 - To keep up with DOE Technical Standard (TS) projects and status of approved TSs = 49%
 - To support my job activities (15%)
 - To search for unknown but useful standards = (5%)
 - Use as management tool to inform myself and staff of standards issues = 17.5%
 - For inspiration and encouragement = 10%
 - As a personal educational tool = 2.5%
 - No response = 2.5%
 6. More standards-related information was requested for the following areas. The percentage given indicates the percentage of responders that indicated a need in each area:
 - Cost Savings from Standards Use = 44%
 - International Standards = 39%
 - QA/Compliance = 32%
 - Integrated Safety Management = 27%
 - Site Operations = 24%
 - Coordination of Standards = 24%
 - Work-Smart Standards = 17.5%
 - Operations/Maintenance = 17.5%
 - Strategic Standardization = 12%
 - Procurement = 12%
 - Training Opportunities = 10%
 - Project/Product Design = 12%
 - Resolving Comments on Standards = 12%
 - Certification = 12%
 - Legal Issues = 12%
 - Other Concerns = 7.5%
 7. Only 4 (10%) of the responders regularly access the newsletters via the Internet.
 8. The categories of employers for the responders was as follows:
 - Department of Energy = 30%
 - M&O/M&I Contractors to DOE = 30%
 - DOE Subcontractor/Consultant = 17.5%
 - Other Federal Agencies = 7.5%
 - Private Sector = 7.5%
 - Standards Development Organizations = 5%
 - Others = 2.5%
 9. The positions held by the responders were:
 - Engineer = 35%
 - ES&H Manager = 10%
 - Facility Manager = 10%
 - Program Manager = 7.5%
 - Health Physicist = 5%
 - Technician = 5%
 - Other = 35%
 10. The eight most common types of work performed by the responders were reported to be:
 - Engineering = 20%
 - Quality Assurance = 20%
 - Standards Review = 15%
 - Compliance = 17.5%
 - Technical Support = 15%
 - Administration = 12%
 - Environmental Protection = 12%
 - Standards Writing = 12%
 11. The overall ratings of the newsletters were:
 - Excellent = 56%
 - Good = 44%
- Many thanks to those of you who took the time from your busy schedules to respond to the questionnaire. We want to make the newsletters responsive to *your* needs, and we value any suggestions or comments you may have.
- If you have any suggestions for articles to be presented in future editions of *The Standards Forum*, please contact Marty Marchbanks, Oak Ridge National Laboratory, 423-241-3658, mmf@ornl.gov.



Standards *Actions*

DOE Technical Standards Projects Initiated

The following DOE technical standards projects were recently initiated. If you have any questions or are interested in participating in the development of these standards, please contact the persons listed below.

- *A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota*, Project Number ENVR-0011, Stephen L. Domotor, EH-412; 202-586-0871; FAX 202-586-3915; Stephen.Domotor@eh.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of these documents is available on the Technical Standards Program (TSP) Web Site at the following URL: <http://apollo.osti.gov/html/techstds/techstds.html>. If you wish to comment on these documents, please notify your TSM.

- *U.S. Department of Energy Hazard Analysis Reports for Nuclear Explosive Operations*, SAFT-0052, (Helmut E. Filacchione, DP-21, 301-903-7519, Helmut.Filacchione@hq.doe.gov); comments due October 30, 1998. Note that this document is being prepared as a limited standard due to its specific applicability to Defense Programs. However, it is being submitted to the full coordination process because of the critical nature of the subject.

DOE Documents Recently Published

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 1-800-553-6847 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifi-

cations, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the following URL: <http://apollo.osti.gov/html/techstds/techstds.html>.

DOE Documents Recently Canceled

- DOE-HDBK-1085-95, *DOE Enforcement Program Roles and Responsibilities*, August 1995 (replaced by the Office of Enforcement Operational Procedures for Enforcement, June 1998).
- DOE-HDBK-1087-95, *Reinforcement of DOE Nuclear Safety Requirements*, June 1995 (replaced by the Office of Enforcement Operational Procedures for Enforcement, June 1998).
- DOE-HDBK-1089-95, *Guidance for Identifying, Reporting and Tracking Nuclear Safety Noncompliances*, December 1995 (replaced by the Office of Enforcement Operational Procedure, *Identifying, Reporting, and Tracking Nuclear Safety Noncompliances*, June 1998).

Note: The above Office of Enforcement operational procedures are available on DOE's Enforcement & Investigation home page at <http://tis-nt.eh.doe.gov/enforce/>.

Archival copies of the cancelled documents will be maintained by the Technical Standards Program Office, and are available upon request.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) bi-weekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

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Technical Standards Program Document Status as of 8/31/98

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	51	20	0

Total in process = 71

Standards Actions (Continued from Page 7)

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Internet site (<http://www.ansi.org>) or through the National Standards System Network (<http://www.nssn.org>).

The following American National Standards are currently in coordination:

- API 589, *Fire Test for Evaluation of Valve Stem Packing* (revision of ANSI/API 589-1993); comments due October 27, 1998.
- API 602, *Compact Steel Gate Valves - Flanged, Threaded, Welded and Extended - Body Ends* (new standard); comments due September 29, 1998.
- API 607, *Fire Test for Soft-Seated Quarter-Turn Valves* (revision of ANSI/API 607-1993); comments due September 29, 1998.
- API RP 520, *Part I, Sizing, Selection, and Installation of Pressure-Relieving Devices in Refineries - Part I, Sizing and Selection* (revision of ANSI/API 520-1992); comments due October 27, 1998.
- API RP 1111, *Design, Construction, Operation and Maintenance of Offshore Hydrocarbon Pipelines* (new standard); comments due September 29, 1998.
- ARMA 10, *Glossary of Records Management Terms* (new standard); comments due October 27, 1998.
- ASME A112.4.4M, *Shielded and Rigid Unshielded Couplings for Drain, Waste and Vent Pipe (DMV) and Sewer Pipe* (new standard); comments due October 13, 1998.
- ASME B40.1, *Gauges - Pressure Indicating Dial Type - Elastic Element* (revision of ANSI/ASME B40.1-1991); comments due October 27, 1998.
- ASME BPVC Revision: 1999 Addenda, *ASME Boiler and Pressure Vessel Code* (revision of 5/1/98 Meeting); comments due September 29, 1998.
- ASME CSD-1a, *Controls and Safety Devices for Automatically Fired Boilers* (supplement to ANSI/ASME CSD-1-1-1998); comments due October 13, 1998.
- ASME NOG-1, *Rules for Construction of Overhead and Gantry Cranes (Top Running Bridge, Multiple Girder)* (revision of ANSI/ASME NOG-1-1989); comments due October 27, 1998.

- AWS C7.2, *Recommended Practices for Laser Beam Welding, Cutting, and Drilling* (new standard); comments due October 13, 1998.
- AWWA C116/A21.16-98, *Fusion-Bonded Epoxy Coatings for the Interior and Exterior Surfaces of Ductile-Iron and Gray-Iron Fittings for Water Supply Service* (new standard); comments due October 27, 1998.
- MH2a, *Materials Handling (Containers) - Steel Drums and Pails, Supplement* (supplement to ANSI MH2-1997); comments due August 31, 1998.
- NB 23 (1998 Addendum), *National Board Inspection Code* (revision of ANSI/NB 23-1998); comments due October 27, 1998.
- NSF 60-1997, *Drinking Water Treatment Chemicals - Health Effects* (revision of ANSI/NSF 60-1996a); comments due October 27, 1998.
- NSF 61 (Section 7, 8, & 9), *Drinking Water System Components - Health Effects* (revision of ANSI/NSF 61-1997b); comments due October 13, 1998.
- UL 1660, *Standard for Safety for Liquid-Tight Flexible Non-metallic Conduit* (new standard); comments due September 27, 1998.
- Z223.1, *National Fuel Gas Code* (same as ANSI/NFPA 54) (revision of ANSI Z223.1-1996); comments due October 27, 1998.

The following international standards are currently in coordination (comment due dates follow each entry):

- 45A/335/FDIS, Draft IEC 61497, Ed. 1: *Nuclear power plants - Electrical interlocks for functions important to safety - Recommendations for design and implementation* - August 15, 1998.
- 45A/336/FDIS, Draft IEC 61505, Ed. 1: *Nuclear reactor instrumentation - Boiling water reactors (BWR) - Stability monitoring* - August 15, 1998.
- 45A/338/FDIS, Draft IEC 61501, Ed. 1: *Nuclear reactor instrumentation - Wide range neutron fluence rate meter - Mean square voltage method* - September 15, 1998.
- EN 849: 1996/prA1, *Transportable gas cylinders - Cylinder valves - Specification and type testing* - September 18, 1998.
- EN 1146: 1997/prA1, *Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus incorporating a hood (compressed air escape apparatus with hood) - Requirements, testing, marking* - September 18, 1998.
- ISO/DIS 2000, *Rubber, raw natural - Guidelines for technically specified grades* - November 7, 1998.
- ISO/DIS 3690, *Welding and allied processes - Determination of hydrogen content in ferritic arc weld metal* - November 6, 1998.
- ISO/DIS 9692-3, *Welding and allied processes - Joint preparation - Part 3: Metal inert gas welding and tungsten inert gas welding of aluminium and its alloys* - October 23, 1998.

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Standards Actions (Continued from Page 8)

- ISO/DIS 13709, *Centrifugal pumps for petroleum, heavy-duty chemical, and gas industry services* - October 30, 1998.
- ISO/DIS 13628-9, *Petroleum and natural gas industries - Design and operation of subsea production systems - Part 9: Remotely Operated Tools (ROT) intervention systems* - October 10, 1998.
- prEN 1337-10, *Structural Bearings - Part 10: Inspection and maintenance* - November 11, 1998.
- prEN 1540, *Workplace atmospheres - Terminology* (for information).
- prEN 12192-1, *Products and systems for the protection and repair of concrete structures - Test methods - Granulometry size grading - Part 1: Method for dry components of premixed mortar* - December 16, 1998.
- prEN 12953-1, *Shell boilers - Part 1: General* - December 9, 1998.
- prEN 13238, *Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates* - November 4, 1998.
- prEN 13251, *Required characteristics for geotextiles and geotextile-related products used in earthworks, foundations and retaining structures* - November 11, 1998.
- prEN 13253, *Required characteristics for geotextiles and geotextile-related products used in external erosion control systems* - November 11, 1998.
- prEN 13257, *Required characteristics for geotextiles and geotextile-related products used in solid waste disposals* - November 11, 1998.
- prEN 13265, *Required characteristics for geotextiles and geotextile-related products used in liquid waste containment projects* - November 11, 1998.
- prEN 13275, *Cryogenic vessels - Pumps for cryogenic service* - December 9, 1998.
- prEN 13296, *Testing concrete - Determination of ultrasonic pulse velocity* - December 16, 1998.
- prEN 45510-2-2, *Guide for procurement of power station equipment - Part 2-2: Electrical equipment - Uninterruptible power supplies*.
- prEN 50268-1: 1998, *Common test methods for cables under fire conditions - Measurement of smoke density of cables burning under defined conditions - Part 1: Apparatus* - November 9, 1998.
- prEN ISO 3171, *Petroleum liquids - Automatic pipeline sampling (ISO 3171: 1988)* - December 2, 1998.
- prEN ISO 8973, *Liquefied petroleum gases - Calculation method for density and vapour pressure (ISO 8973: 1997)* - December 2, 1998.
- prEN ISO 13995, *Protective clothing - Mechanical properties - test method for the determination of the resistance to puncture and dynamic tearing of materials (ISO/DIS 13995:1998)* - October 18, 1998.

The following newly published international standards are available from ANSI:

- IEC 61334-4-33: 1998, *Distribution automation using distribution line carrier systems - Part 4-33: Data communication protocols - Data link layer - Connection oriented protocol*.
- IEC 61640: 1998, *Rigid high-voltage, gas-insulated transmission lines for rated voltage of 72,5 and above*.
- IEC 61940 TR3 Ed. 1.0 b: 1998, *Nuclear instrumentation - A review of the application of IEC 60880 (1986)*.
- ISO 13734: 1998, *Natural gas - Organic sulfur compounds used as odorants - Requirements and test methods*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). Additional information on ASTM activities is available on the ASTM Internet site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination: (the due date for all items is September 10, 1997).

- New Standard, *Test Method for Determination of Bulk Density of Coal Using Nuclear Backscatter Depth Density Methods* (Ref. Z1997Z).
- New Standard, *Specification for Cellular Melamine Thermal and Sound Absorbing Insulation* (Ref. Z4459Z).
- New Standard, *Guide for Determining Design Criteria for the Physical Protection of a Facility* (Ref. Z5681Z).
- New Standard, *Specification for Performance of Post-Installed Mechanical Anchors in Concrete* (Ref. Z5819Z).
- New Standard, *Guide for Laboratory Subsampling of Media Related to Waste Management Activities* (Ref. Z5937Z).
- New Standard, *Guide for Generation of Environmental Data Related to Waste Management Activities: Selection and Optimization of Sampling Design* (Ref. Z5981Z).
- New Standard, *Guide for Performing Evaluations of Underground Storage Tank Systems for Operational Conformance With 40 CFR Part 280 Regulations* (Ref. Z7038Z).

(Continued on Page 10)

Standards Actions (Continued from Page 9)

- New Standard, *Guide for Development and Implementation of a Sustainable Development Program* (Ref. Z7050Z).
- New Standard, *Test Method for Determination of Total, Combustible, and Carbonate Carbon in Solid Residues From Coal and Coke* (Ref. Z7274Z).
- New Standard, *Specification for Castings, Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts* (Ref. Z7279Z).
- New Standard, *Test Method for Major and Minor Elements in Solid Coal and Coke Combustion Residues by Inductively Coupled Plasma--Atomic Emission Spectrometry* (Ref. Z7336Z).
- New Standard, *Specification for Solid Hard-Drawn Aluminum Wire for Electrical Purposes* (Ref. Z7403Z).
- New Standard, *Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces* (Ref. Z7451Z).
- New Standard, *Practice for Calculating Areas, Volume and Linear Change of Refractory Shapes* (Ref. Z7460Z).
- New Standard, *Test Method for Sonic Velocity in Refractory Materials at Room Temperature and Its Use in Obtaining an Approximate Young's Modulus* (Ref. Z7461Z).
- C 71-97a, *Terminology Relating to Refractories* (revised standard).
- C 634-98, *Terminology Relating to Environmental Acoustics* (revised standard).
- D 388-98, *Classification of Coals by Rank* (revised standard).

The following newly published standards are available from ASTM:

- C 1381-97, *Specification for Molded Glass Fiber Reinforced Gypsum Parts* (new standard).
- D 151-97, *Practice for Using Hollow-Stem Augers for Geotechnical Exploration and Soil Sampling* (new standard).
- D 6092-97, *Guide for Specifying Standard Sizes of Stone for Erosion Control* (new standard).
- D 6146-97, *Guide for Monitoring Aqueous Nutrients in Watersheds* (new standard).
- D 6224-98, *Practice for In-Service Monitoring of Lubricating Oil for Auxiliary Power Plant Equipment* (new standard).
- D 6225-98, *Test Method for Granule Cover of Mineral Surfaced Roofing* (new standard).
- D 6228-98, *Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection* (new standard).
- D 6314-97, *Guide for Laboratories Engaged in Sampling and Analysis of Atmospheres and Emissions* (revised standard).
- E 170-97, *Terminology Relating to Radiation Measurements and Dosimetry* (revised standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Institute of Steel Construction

Office: One East Wacker Drive, Suite 3100
Chicago, IL 60601-2001

FAX: 312-670-5403

Contact: Cynthia J. Lanz, lanz@aiscmail.com

- AISC N690, *Specification for the Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities* (supplement to ANSI/AISC N690-1994).

Underwriters Laboratories, Inc.

Office: 1285 Walt Whitman Road
Melville, NY 11747-3081

FAX: 516-439-6021

Contact: Helen Ketcham, ketchamh@ul.com

- UL 1425, *Standard for Safety for Cables for non-Power-Limited Fire Alarm Circuits* (new standard).

Contact: Mitchell Gold, goldm@ul.com

- UL 1040, *Standard for Safety for Fire Test for Insulated Wall Construction* (new standard).

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709

FAX: 919-547-6018

Contact: Tim Corder, corderw@ul.com

- UL 727-1986, *Oil-Fired Central Furnaces* (new standard).

Contact: Neil Dalmás, hiltt@ul.com

- UL 1446-1991, *Systems of Insulating Materials - General* (revision of ANSI/UL 1446-1991).

Comments, Questions, & Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov. If you have any questions or comments on DOE standards projects, please contact Don Spellman, Oak Ridge National Laboratory (ORNL), 423-574-7891, FAX 423-574-0382, Email spellmandj@ornl.gov.

Addresses: To update our distribution list, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423-574-0382, Email mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.

Workshop 98 (Continued from Page 1)

Department of Energy (DOE). Brush described the various programs instituted by DOE to improve the development and use of standards to ensure public health and safety. Robert Hebner, Acting Deputy Director, National Institute of Standards and Technology (NIST), addressed NIST's role in the voluntary standards process, the Institute's commitment to increase participation in standards development, and the importance of standards in the global economy.

**Dr. Robert Hebner****Session 1: "Standards Management-A World of Change"****Carl DeMaio**

The scope of this session was to discuss how the Federal Government has been challenged to adapt and respond to the new culture of "change management." The speakers in this session discussed some of the changes being experienced by, and responses employed for, the government business model and the benefits derived or expected.

The speakers for this session were: Carl DeMaio, Congressional Institute; Don Marlowe, Food and Drug Administration (FDA); and Gordon Elley, Department of Defense (DoD). The moderator was Jeff Feit, DOE.

DeMaio's presentation covered the worldwide movement in public sector management and budgeting to reinvent the government and discussed the Results Act. Congress adopted this piece of legislation in order to focus the budget process on results rather than merely good intentions. Marlowe spoke on the process by which FDA recognizes standards and determines what areas of new standards development are most useful to our regulatory process. He also reported data on FDA's successes in standards recognition and use. Elley's presentation described the background on the origination and evolution of the Single Process Initiative (SPI). He covered topics ranging from a means to alter existing contracts to include commercial innovations and law changes to a significant part of the acquisition reform tool box. SPI progress to date, results, and savings were discussed.

Session 2: "Standards Management-A World of Opportunities"

The scope of this session was to ask the question of how a proactive standards management strategy directly relates to a company's (and our Nation's) success. The panel members included: Henry Line, AMP, Inc.; Jane Schweiker, American National Standards Institute (ANSI); and Michael G. Gorman, Ameritech, Inc. The moderator was Jeanette Helfrich, DOE

Line focused on the key issues driving industry standards and management system standards. He discussed how his company participates in the global standards development process and the business benefits derived from such participation. Schweiker's presentation covered ANSI's role in a "national standards strategy" and other critical national

**Henry Line**

standards infrastructure elements. Also discussed was ANSI's National Standards Systems Network (NSSN) which provides bibliographic information for more than 700 domestic and international standards organizations. Gorman addressed the topic of savings realized through the strategic use of standards. This included a detailed discussion on High Speed Data Access via Asymmetric Digital Subscriber Line (ASDL). ASDL provides high speed data transport over regular copper telephone lines. The need for ASDL arose from various customer-driven needs: one standard to achieve lower cost (volume) and market acceptance (interoperability); customer demand for high speed access; and increased competition among various carrier technologies, i.e., cable modems, wireless access, and satellite technology.

Day 2 Summary - Wednesday, August 5th**Sessions 3 and 4: OMB Circular A-119 Implementation**

These sessions covered the new requirements in the revised circular, "Federal Participation in the Development of Use of Voluntary Consensus Standards and in Conformity Assessment Activities" and how agencies will be fulfilling them. Participants included: Virginia Huth, Office of Management and Budget (OMB); Belinda Collins, NIST; Eric Wilkinson,

**Virginia Huth**

EPA; Richard Weinstein, NASA; Richard Serbu, DOE; and Greg Saunders, DoD. NIST's Krista Johnsen Leuteritz served as moderator.

"The need to improve how we manage also becomes more and more important as we must accomplish more with decreasing money and personnel." — Peter Brush

Huth provided an overview of the final revision of OMB Circular A-119 published on February 10, 1998. [Editor's note: The full text is available through the SES Website home page, <http://www.ses-standards.org/>.] This revision was in response to Section 12(d) of the "National Technology Transfer and Advancement Act of 1996" (NTTAA). A major change from the previous version requires agencies to report when they plan to use a government-unique standard in lieu of a voluntary consensus standard. The Circular establishes guidelines for developing a Standards Management System with which agencies can manage their standards programs in the areas of procurement and regulatory development.

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Workshop (Continued from Page 11)

Collins described NIST's implementation plan for the NTTAA. NIST provides Federal leadership and guidance on standards and conformity assessment policies.

"We must ensure that work gets done safely in this complicated atmosphere. But at the same time, DOE must not impose layers of bureaucratic requirements that stifle the creativity and work ethic of our contractors." — Peter Brush



Belinda Collins

Further, NIST prepares an annual report to OMB on use of voluntary standards and participation in their development by Federal agencies. The most recent report states that 543 voluntary consensus standards were adopted by agencies and 187 voluntary consensus standards were substituted for government-unique standards. The report also highlights the decline in Federal participation in voluntary consensus standards bodies, from 5,200 individuals to 3,276.

Wilkinson discussed EPA's implementation of the Circular. Through its Voluntary Standards Network, initially designed to coordinate EPA's efforts concerning the ISO 14000 standards, this program was expanded to help implement the NTTAA and the Circular, as well as serve as the principal vehicle for disseminating and communicating both domestic and international standards-related information. "EPA Rule Writer's Guide to the NTTAA" and a "Participation Guide" are being developed within EPA.



Richard Weinstein

Weinstein addressed NASA's Technical Standards Program Awareness Initiative along with initiatives affecting the changing climate for standards (i.e., Single Process Initiative, ISO 9000, and NASA's Strategic Plan).

Serbu detailed DOE's initiatives and established a standards-based culture within the Department. The programs noted include: Integrated Safety Management (a Department-wide system for identifying and managing work and hazards related to work) and the Department Standards Program (a Department-wide effort to establish standards as the basis for work, based on the work hazards).

Saunders covered the MIL-SPEC Reform program that began in 1994. He also discussed organizational changes in the standardization program, the outlook for the new Defense Standardization Council, and the process being used to develop a clear strategic direction for standardization for the future.

As a wrap-up to the session, Collins noted the upcoming standards summit, "Toward a National Standards Strategy to Meet Global Needs," sponsored by NIST and ANSI and coinciding with this year's U.S. celebration of World Standards Day September 23rd. The primary objective of the summit will be to

open a discussion of, and solicit ideas for, a more effective national strategy that will meet the needs of both the private sector and the government.

Session 5: "Strategic Standardization"

This session described examples of searching for, or applying a strategic approach to, standards management. Participants in this session applicable to both the public and private sectors included: Bob Walsh, Advance Action Associates LLC; and Diego Betancourt, Polaroid Corporation. The moderator was Bob Girton, Lockheed Martin Idaho Technologies Company.



Bob Walsh



Diego Betancourt

Walsh described the "do's and don't's" of benchmarking standards management processes and his organization's program to help others meet performance objectives using Strategic Standardization as a management tool. Betancourt addressed the growing trend and emphasis for assessing conformance to requirements specified in standards such as UL, CE Mark, and ISO 9000. He also discussed the global trade policy trend towards third party management system restrictions.

Session 6A: Voluntary Standards Activities of Interest to Federal Agencies

Representatives of voluntary standards developing organizations (SDOs) discussed voluntary consensus standards activities and initiatives that are relevant to Federal agency missions and programs. Participants included: Dan Smith, American Society for Testing and Materials (ASTM); Tony O'Neill, National Fire Protection Association (NFPA); Gerry Eisenberg, American Society of Mechanical Engineers (ASME); Paul Orr, Underwriters Laboratory (UL); James Moore, The MITRE Corporation; and Jean-Paul Emard, Electronic Industries Alliance (EIA). The moderator was Don Spellman, Oak Ridge National Laboratory.



Tony O'Neill

Workshop 98 (Continued from Page 12)**Jean-Paul Emard**

Each SDO representative spoke of the mission of their organization, current initiatives, and how each works closely with Federal agencies in developing and implementing their standards. All stated the importance of the Federal Government's role in actively participating in standards activities by submitting proposals, attending meetings, and providing comments during public

review periods. Smith, O'Neill, Eisenberg, and Orr all provided statistics denoting the number of Federal participants in their various standards developing technical committees. Moore, representing IEEE, gave a specific example of how Federal participation in a joint IEEE/EIA project helped to develop a process (rather than product) standard in software engineering. This is a trend that Moore

**Paul Orr**

predicts will continue in the future. Emard provided examples of how new technology applications are being used today within EIA technical committees. The delivery of standards documentation (meeting notices, agendas, minutes, drafts, and approved standards) and on-line electronic balloting have proven to be effective methods in speeding the standards development process within EIA.

**The Audience Listens Intently****Session 6B: "RMS Partnership/Acquisition Reform"**

This session focused on the reliability, maintainability, and supportability, i.e., the logistics, of Federal standardization within the RMS Partnership and the impact that acquisition reform has had on organizational standards activities. Participants included: Greg Saunders, DoD; Dennis Hoffman, SAE; Kenneth LaSala, IEEE; and Curtis DeVries, ASQ. The moderator was Russell Vacante, RMS Partnership.

After providing an overview of the standards activities with regard to RMS, Vacante also noted the ties the RMS Partnership has to international standards organizations. Each of the speakers addressed the effects that downsizing and mergers and acquisitions have had on standardization activities within the private and public sectors. Other topics covered included the

use of best practices and the development of guidelines and other informative documents vis-a-vis formally-adopted standards.

This was an information-rich meeting that gave this standards novice more than just a notebook to take back to her office. The workshop provided an excellent opportunity to learn more about Federal Government standards activities and how the government and private sector can work together to improve global competitiveness and enhance U.S. technology. For further information on the workshop, contact Donald L. Williams, Jr., Oak Ridge National Laboratory, Oak Ridge, TN 37831-8065; 423-574-8710; dw5@ornl.gov.

Ellen Trager is Technical Information Specialist, Standards Information Program, NIST, Building 820, Room 164, Gaithersburg, MD 20899.

"This Workshop is an example of coordination between the DOE Technical Standards Program and the Inter-agency Committee on Standards Policy—the ICSP—Standards Management Working Group."

— Peter Brush

Day 3 Summary - Thursday, August 6th**Track 1 (DOE-specific workshop track)**

A separate DOE track of technical presentations was held on Thursday, August 6th. The opening presentation for the DOE track was given by Jim Lapping, Occupational Safety and Health Administration (OSHA). Technical presentations were focused in the following subject areas.

**Jim Lapping****Gary Roberson**

- DOE technical standard "hot topics," including the new DOE-EM technical standard project on storage of plutonium residue materials (Gary Roberson, DOE/Albuquerque Operations Office); activities of the DOE Construction Safety and Hoisting & Rigging Topical Committees (Lynn Holt, Idaho National Engineering and Environmental Laboratory); and Savannah River Site's certification to ISO 14001 (Ron Peterson, DOE/Savannah River Operations, and Victor Dorbu, Bechtel Savannah River).

- Crosscutting DOE initiatives related to the identification and use of technical standards, including external regulation of DOE nuclear facilities (John Austin, NRC); Laboratory Accreditation (Richard Pettit, Sandia National Laboratories); and Application of "Integrated Safety Management" and "Work-Smart" Standards Processes for Safety Regulation of the Richland Tank Waste Remediation System (TWRS) Privatization Initiative (Clark Gibbs, DOE/Richland Operations Office).

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**John Austin****Carol Blackston**

- Other DOE "technical standards" of interest (i.e., DOE technical standards activities beyond the purview of the Technical Standards Program), including information architecture standards (Carol Blackston, DOE/Office of Human Resources); decommissioning handbook and resource manual (Stephen Warren, DOE/Office of Environmental Management, EM); facility deactivation guide (Andrew Szilagyi, DOE-EM); and the "Multi-Agency Radiation Survey and Site Investigation Manual," MARSSIM (Dorsey Edwards, DOE/National Environmental Training Office).

**Madelyn Wilson**

- Continuous Improvement in the Implementation of the Technical Standards Program (TSP), including improvements made to the TSP Home Page (Madelyn Wilson, DOE/Office of Scientific and Technical Information), TSP procedures (Don Williams, Oak

Ridge National Laboratory), and TSP requirements and guidance documents (Rick Serbu, DOE/Office of Nuclear Safety Policy and Standards, and TSP Manager).

As can be observed (in this newsletter) from the feedback received, the workshop participants found the first-ever Federal Technical Standards Workshop to be an effective medium for communicating information to all organizations and disciplines within the Executive Branch of the Federal Government on technical standards activities and related standardization initiatives. In summary, the workshop was an interesting and informative experience.

**Don Williams****Rick Serbu Wraps It Up**

Thanks to all who were involved in this project! We look forward to having the opportunity to organize and conduct another Federal Technical Standards Workshop in the coming year. Stay tuned for more details.

Lessons Learned (Continued from Page 5)

pages to the document and lining out current pages plus adding a page to the front of the document that makes it very clear that a Change Notice has been added. Some notation is also necessary to the front cover of the document (below the number and date of the document in the upper right-hand corner) to indicate that a Change Notice has been added and the date of the Change Notice. If common sense tells you that this would be a burdensome task for the holder or if there is a chance that the Change Notice could be entered incorrectly or incompletely (i.e., just placing the entire Change Notice letter in the front of the document and not actually making the necessary page insertions or pen-and-ink corrections), then take the safe path and process a Revision to the document.

Don't sacrifice the quality of a DOE technical standard simply because time is short! The Email notification system from the TSPO to the TSMs that a revision to a document is in process should help ensure that adequate time is available to complete the technical review.

"The reason you are all here is to learn from others. You also have experiences to impart. Let's all take this opportunity to learn from each other, to help one another, and to share our knowledge about standards management."

— Peter Brush





Upcoming Meetings

September 21–25, 1998

1998 World Standards Week

Sheraton City Centre - Washington, D.C.

The 1998 World Standards Day (WSD) event is planned for Wednesday, September 23, 1998, and will include a reception and dinner. The winner of the WSD international technical paper competition (\$2500 award) will be announced during the dinner. The theme of the paper competition is: "Standards for Free or Free: What 'R' the Consequences." The paper competition is intended to focus on the domestic and international debate over the sales, pricing, and availability of standards. Rules for the paper competition may be obtained at URL http://www.ses-standards.org/paper_competition.html.

For more information, contact Stacy Leistner, ANSI Staff, 212-642-4931, Email sleistne@ansi.org, or Yvonne Coleman, ANSI Staff, 212-642-4922, Email ycoleman@ansi.org, or check URL http://web.ansi.org/rooms/room_5/.

September 23, 1998

National Institute of Standards and Technology / American National Standards Institute Summit

Ronald Reagan International Trade Center - Washington, D.C.

Theme: *Toward A National Standards Strategy To Meet Global Needs*

This summit is being held in conjunction with the U.S. celebration of World Standards Day. It will provide a forum for discussion of issues in developing, supporting, and using national and international standards that significantly affect U.S. manufacturers and exporters. The goal is to open a discussion that will lead to a more effective national strategy for meeting the needs of both the private sector and the government.

For more information, contact Lori Phillips, 301-975-4513, Email lori.phillips@nist.gov.

October 12-23, 1998

International Electrotechnical Commission (IEC) National Committee 1998 General Meeting

George R. Brown Convention Center - Houston, Texas

Held in conjunction with the International Conference and Exhibit of ISA, the international society for measurement and control. ElectroTech 98, an exhibition dedicated to the advancement of the electrical and electronics industries, will also be held in conjunction with the IEC General Meeting.

For more information, contact Charles T. Zegers, Secretary, USNC, American National Standards Institute, 11 West 42nd Street, New York, NY 10036, 212-642-4936, FAX 212-398-0023, czegers@ansi.org.

October 20-22, 1998

Fourth Integrated Safety Management Lessons Learned Workshop

Radisson Hotel - New Orleans, Louisiana

Theme: *Field Successes in Achieving Integrated Safety Management Through Outstanding Environment, Safety and Health Performance*

As Acting Secretary Elizabeth A. Moler and Under Secretary Ernest J. Moniz emphasized in Department of Energy (DOE) Policy 450.6 dated April 14, 1998, "We expect outstanding environment, safety and health performance as a matter of course in the Department of Energy. At stake are nothing less than the lives and livelihood of our workers and neighbors and a healthy environment to leave to our children." This expectation will be realized by implementing the principles of Integrated Safety Management (ISM) and ensuring that outcomes are effectively communicated throughout the Department.

To further the Department's ISM implementation efforts, the Office of Fossil Energy and the Strategic Petroleum Reserve Project Management Office, New Orleans, Louisiana, with support from the Department's Safety Management Implementation Team, will sponsor the Fourth ISM Lessons Learned Workshop, "Field Successes in Achieving Integrated Safety Management Through Outstanding Environment, Safety and Health Performance." The Department's line managers and environment, safety and health professionals, as well as corresponding principals and line managers from the Department's contractor organizations, are invited to attend.

For registration and other information, check the ISM Internet web site: <http://tis-nt.eh.doe.gov/ism/>.

November 3-6, 1998

1998 TRADE Workshop

Richland, Washington

Theme: *Managing Training*

Hosted by: Fluor Daniel Hanford. For more information, visit the TRADE Internet home page at <http://www.ora.gov/trade/>

November 15 - 18, 1998

National Fire Protection Association Fall Meeting

Atlanta Hilton Hotel - Atlanta, Georgia

Theme: *Fire Safety Through Education*

The program will include sessions presented by NFPA's Industrial, Education and Electrical Sections, as well as new classes from the Fire Service Section. CEUs will be awarded for all of these seminars. All training and speaker sessions are open to all conference registrants, not just NFPA members. The Speaker Session will cover Forensic Fire Scene Reconstruction, Motor Vehicle Fires, and the Code Footprint. A new virtual reality CD developed by NFPA and three other

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Upcoming Meetings (Continued from Page 15)

agencies will be demonstrated. The CD can be used to train fire investigators.

For further information, visit the NFPA Internet home page at <http://www.nfpa.org/>.

November 15-19, 1998**1998 American Nuclear Society (ANS) Winter Meeting and the Meeting of the Americas**

Marriott Wardman Park Hotel - Washington, D.C.

Theme: *Challenges and Opportunities for Nuclear Technology*

The Meeting of the Americas involves many countries from North and South America. It will run concurrently with the ANS meeting and will cover the theme: *Nuclear Science, Technology, and Applications*.

For further information, contact the ANS Meetings Department at 708-579-8287 or meetings@ans.org.

November 15-20, 1998**Winter Annual Meeting of the American Society of Mechanical Engineers**

Anaheim Convention Center and Anaheim Hilton Hotel - Anaheim, California, USA

Highlight topic: Global Technologies for the Competitive Edge

The technical program of the International Mechanical Engineering Congress & Exposition (IMECE) will focus on the interdisciplinary tracks in partnership with industry, new technologies, and the implementation of open forum sessions for peer review of recent developments, work in progress, and late breaking issues.

Upcoming Meetings (Continued from Page 15)

For further information, check the IMECE Internet home page at: <http://www.asme.org/conf/>.

November 16-17, 1998**SES/IFAN Conference**

Coronado Springs Resort, Walt Disney World - Orlando, Florida

Theme: *Standards for Global Markets*

Cosponsored by the International Federation for the Application of Standards (IFAN) and the Standards Engineering Society (SES). Sessions will address many subjects, including the need for a definition of "international standard"; internationally approved standards, including those developed by U.S. SDOs; development of regional standards (with a specific focus on foreign interests); management of standards programs; consortia standards; product testing, certification, quality management systems, laboratory accreditation, and other conformity assessment mechanisms; how the Internet is changing the way standards and standards-related information is being provided; and technologies and trends in standards development, delivery, and use.

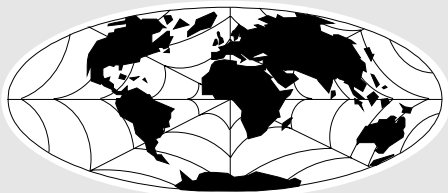
For more information, check the Internet at <http://www.ses-standards.org/conference.html>.

December 6-8, 1998**Institute of Electrical and Electronics Engineers Standards Board/Committee Meetings**

Southgate Tower - New York City,

For further information, contact Terry Steenweg, 732-562-3836, FAX: 732-562-1571, or t.steenweg@ieee.org.

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Standards

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Editor Marty Marchbanks

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